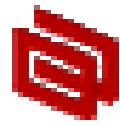


L2 Trigger Status (L2 and new triggers - V13)



Miroslav Kopál

University of Oklahoma



Trigger Board meeting
DØ workshop @ Fresno, CA

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L2 Filters in V13



- Trigger Meisters - need a higher number of L2 filters in V13 than the current maximum in V12

Filter's name	max.V12 (current)	Number Of Filters max.V13 (future)	Used in V13
Muon	10	30	5
Jet	10	30	10
EM	20	30	19
Eta	10	30	11
MET	10	30	0
Track	10	30	9
EtaSEP	10	30	0
HT	10	30	5
INVMass	10	30	2
Phi	10	30	0
PhiSEP	10	30	6
TRANSMass	10	30	0
EtaPhiSEP	10	30	2
MJT	10	30	3

L2 Filters in V13

- L2 filters, which limits **will not** change when **V13** (**max. 10**) replaces **V12** (**max. 10**), are:

Filter name
Bjet
Randompass
Failall
Timedelay

L2 Tools in V13

- Most of the limits also **will change** from **10** (**V12**) to **20** (**V13**), only the limit of **CommissionTools** will stay **10**

Other L2 Issues in V12/V13



- V12 is using the **l2p16.02.00** online build
 - ... problems with passing tracks (STT_PT tracks ONLY) from **L2CTT** ($\times 25$) to **L2GBL** ($\times 20$): we don't have enough bits in the L2 header for NTRK number
 - ... max. number is **8 bits** => **255 tracks**, but max. number of STT_PT tracks is **276** (**6x46**): thanks to STT
 - ... this problem effects **ONLY STT_PT test triggers**

Other L2 Issues in V12/V13



- V13 will be using the l2p16.04.00 online build
 - ... the new build was built on Tuesday, June 8
 - ... the new build does not have problems with STT_PT tracks passed from L2CTT (x25) to L2GBL (x20)
 - ... the new build's limits for L2Tools and L2Filters were changed to meet TMs' requests
 - ... it has a new CPS code (fixed a few bugs, faster algorithm)
 - > L2CPS information **is**, and will still be **available** -> CPS clusters = **new triggers** ?!?